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Clayton
ENVIRONMENTAL
CONSULTANTS

Third Quarter
Groundwater Monitoring
at
Stoody Company
City of Industry, California

Clayton Project No. 33043.00

September 16, 1991

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1.0 INTRODUCTION

On December 26, 1990, Ms. Nicole Jafari, Industrial Engineer with Stooddy Company, authorized Clayton Environmental Consultants, Inc. to perform groundwater monitoring events required by the California Regional Water Quality Control Board Los Angeles Region (CRWQCB), as stated in their October 22, 1990, workplan directive (File No. AB105.263).

This report documents the results of the third quarter of groundwater monitoring at the Stooddy Company facility located at 16425 Gale Avenue, City of Industry, California (Figure 1, Appendix A). The first quarter report was previously submitted to the CRWQCB on March 8, 1991. The second quarter report was previously submitted to the CRWQCB on July 3, 1991.

Activities conducted during this third quarter of monitoring included measurements of water levels in the five onsite monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5), and sampling and analysis of groundwater from these five wells. Historic data from the first and second quarterly sampling events are included as Appendix B.

The quarterly groundwater monitoring was performed in accordance with the Terms and Conditions described in Clayton's Proposal No. 90-SEE-164 dated December 18, 1990. Clayton received written authorization to proceed with the groundwater monitoring from Ms. Nicole Jafari on December 26, 1990.

2.0 FINDINGS

Water level measurements and groundwater samples were collected from five onsite monitoring wells at the Stooddy facility as part of the third quarter of a quarterly groundwater monitoring program.

Eleven compounds were detected above the analytical limits of detection using EPA Method 524.2 for volatile organic compounds (VOCs). A summary table of results is provided in Appendix A. The compounds detected in the wells included: carbon tetrachloride, chloroform, 1,2-dichloroethane, 1,1-dichloroethene, trans 1,2-dichloroethene, cis 1,2-dichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene, and trichlorofluoromethane.

The laboratory analytical reports of the third quarter's samples showed that the compounds detected in the downgradient monitoring wells were present at similar concentrations as in the upgradient well, although some variations in concentrations were noted from well to well. For example, trichloroethene was reported at 54 µg/L in Well MW-4 (upgradient) and at 92 µg/L in Well MW-3 (downgradient); tetrachloroethene was reported at 180 µg/L in Well MW-4 and at 77 µg/L in Well MW-3. Other reversing trends like this also occurred in the reported laboratory data.

Those conditions, coupled with the results of the first and second quarter analyses performed by Clayton field and laboratory personnel, suggest an offsite source may be responsible for the compounds detected in the groundwater samples. In samples of the upgradient monitoring well, MW-4, methylene chloride was detected in the laboratory analytical results this quarter and in the previous quarter it was not. Also in the laboratory reports, the concentrations of 1,1-dichloroethene, cis 1,2-dichloroethene, tetrachloroethene, trichloroethene, and trichlorofluoromethane were generally higher this quarter than last.

3.0 FIELD ACTIVITIES

Water-level measurement and groundwater sample collection from Monitoring Wells MW-1 through MW-5, occurred on August 14, 1991. Procedures followed during these activities are outlined below.

3.1 WATER-LEVEL MEASUREMENTS

Water-level measurements were taken on August 14, 1991, for Wells MW-1 through MW-5 using a Teflon™ measuring tape. These groundwater measurements have been used to calculate a groundwater flow direction of north-northwest with a vertical slope of 0.01 feet/foot (Appendix A, Figure 3).

3.2 GROUNDWATER SAMPLING

Groundwater Monitoring Wells MW-1 through MW-5 were sampled on August 14, 1991. Prior to sampling, the wells were purged using a PVC bailer attached to a truck-mounted mast/pulley system (a well development rig). The bailer and attached cable were steam-cleaned between wells. The wells were sampled in the following order: MW-4, MW-5, MW-2, MW-1, and MW-3.

A minimum of three casing volumes of water was removed from each well. Water quality parameters (pH, temperature, and electrical conductivity) were measured at the beginning of the well purging and after the removal of 18, 36, and 54 gallons of water from each well. Purging was discontinued after 54 gallons of water (4 to 5 well casing volumes) were removed and the water quality parameters stabilized to within ± 10 percent of the parameter values obtained from the previous measurements. Water quality parameters are provided on the water sampling field survey forms (Appendix C).

The wells were allowed to recharge for at least 1 hour before any further work took place. Then, using precleaned, hand-held Lexan™ bailers attached to nylon line, four additional parameter samples were collected to ensure that the wells had stabilized (Appendix C). The bailer was then used to collect the groundwater samples. The groundwater was decanted into the appropriate collection containers using a Teflon™ tap. The bailer and tap were washed with potable water and Alconox™ detergent

between sampling events and rinsed twice with deionized water. Clayton personnel wore precleaned Neoprene™ gloves during sample collection and handling.

The samples were collected using the container and preservation guidelines of the U.S. Environmental Protection Agency (EPA), 40 CFR 136. After being filled with groundwater, the sample containers were labeled, wrapped in shock-absorbing foam sheeting, and placed on ice in a portable cooler.

Within 24 hours of collection, the samples were transported, under standard chain-of-custody procedures, to a Department of Health Services (DHS) certified laboratory for analysis. Purged groundwater was placed in five Class 17-H, 55-gallon drums. The drums were labeled and placed onsite for disposal by the Stoodly Company.

4.0 LABORATORY ANALYTICAL RESULTS

Laboratory analyses were provided by the laboratory of Enseco CRL located in Garden Grove, California. The laboratory is certified by the California Department of Health Services (DHS). Laboratory results are summarized in Tables 2, 3, 4, and 5 (Appendix A), and presented in Appendix D.

Groundwater samples were analyzed using EPA Method 524.2 for volatile organic compounds and EPA Method 180.1 for turbidity. The groundwater samples collected from wells MW-5, MW-2, and MW-1 were also subjected to EPA Method 418.1 for total recoverable petroleum hydrocarbons (TRPH).

4.1 VOC AND TRPH ANALYSES

As reported in the summary table of results for EPA Method 524.2 (Table 2), five of the compounds detected in the wells had concentrations exceeding the EPA maximum contaminant level (MCL) or DHS drinking water action level (DWAL) for the corresponding compounds.

Carbon tetrachloride was detected at a concentration of 1.1 microgram per liter ($\mu\text{g/L}$) in a sample from well MW-3. The MCL for this compound is 0.5 $\mu\text{g/L}$. 1,2-Dichloroethane was detected only in well MW-3 at a concentration of 0.94 $\mu\text{g/L}$. The MCL for this compound is 0.5 $\mu\text{g/L}$. 1,1-Dichloroethene was detected at concentrations ranging from 20 to 56 $\mu\text{g/L}$. The MCL for this compound is 6.0 $\mu\text{g/L}$. Tetrachloroethene was detected at concentrations ranging from 77 to 210 $\mu\text{g/L}$. The DHS DWAL for this compound is 5 $\mu\text{g/L}$. Trichloroethene was detected at concentrations ranging from 41 to 92 $\mu\text{g/L}$. The DHS DWAL for this compound is 5 $\mu\text{g/L}$.

Six compounds were detected in the wells in concentrations below the MCL or DWAL. Chloroform was detected in MW-3 at 1.3 $\mu\text{g/L}$, which is below the MCL of 100 $\mu\text{g/L}$.

for this compound. Cis 1,2-dichloroethene was detected at concentrations ranging between 2.7 µg/L and 4.4 µg/L. These concentrations are below the DHS DWAL of 6.0 µg/L for this compound.

Methylene chloride was detected at concentrations ranging from 5.7 to 7.1 µg/L. These concentrations are below the DHS DWAL of 40 µg/L for this compound. 1,1,1-Trichloroethene was detected at concentrations ranging from 4.7 to 7.5 µg/L. These concentrations are below the MCL of 200 µg/L for this compound. Trichlorofluoromethane was detected at concentrations between 0.51 µg/L and 3.6 µg/L. These concentrations are below the DHS DWAL of 150 µg/L for this compound.

As shown in the summary table of results for EPA Method 418.1 for TRPH in wells MW-5, MW-1, and MW-2 (Table 4), analytical results report that TRPH was not detected in any of the groundwater samples taken.

Clayton submitted a sample of the final rinse water for laboratory testing as part of its laboratory analyses program to identify potential cross contamination. Laboratory analyses of the "Decon Water" identified the two VOCs bromochloroethane and dibromochloroethane. Both of these compounds are used in the treating of water for public use. Because all other VOCs were not detected in the "decon water" and because these two VOCs were not detected in the groundwater samples, it is likely that Clayton did not cross-contaminate any wells and the bromomethanes detected are of no consequence to this project.

4.2 TURBIDITY ANALYSIS

The laboratory reported relatively high turbidity readings ranging from 86 to 100 Nephelometric Turbidity Units (NTUs) in wells MW-1, MW-2, and MW-4. Although these numbers are high, Clayton has made two observations that we believe support our opinion that these high readings have not affected the validity of the VOC analyses and that the reported concentrations represent actual field conditions.

The wells were purged from throughout their casing lengths prior to sampling, disturbing sediment in the bottom of the wells and creating unrepresentative field conditions for each well. The suspended particles were seen, in the field, to fall out of suspension very quickly. Discussion with the laboratory revealed that prior to turbidity testing they agitated the sample, thereby reintroducing particulate matter into the water that is not part of the actual suspension that occurs in the field.

The sample used for the turbidity test was collected in an individual 100 milliliter (mL) container and was separate from the samples used for VOC analyses. The samples used for the VOC analyses were collected in 40 ml teflon-capped vials, had very little sediment in them, and were not agitated prior to analysis.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Clayton has performed groundwater monitoring quarterly at the Stoodly Company facility for about 1-1/2 years. During this time, the laboratory results from groundwater analyses have not provided much in the way of trends of concentrations of the various VOCs detected in the groundwater from the onsite monitoring wells. Several reversing trends have been observed in the data related to high and low concentrations of different VOCs in the samples from different wells.

These "non-trends" become the trends with no clear resolution with the available laboratory and field data. However, the recent laboratory analyses from MW-1, MW-2, MW-4, and MW-5 support the conclusion that a source of contamination may be present upgradient of the Stoodly facility.

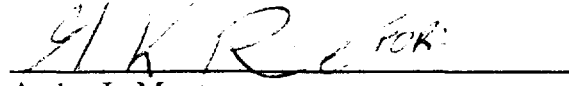
To address the presence or absence of an upgradient source of contamination, Clayton recommends reviewing, compiling and analyzing data from existing upgradient monitoring wells as may be available in the files of the CRWQCB and the Los Angeles County Department of Public Works. We will compare the laboratory results available to the data we have concerning the Stoodly Company, to see if we can tell if an upgradient contamination source is present east of the facility. Depending on the results of this literature search, additional groundwater investigation may be necessary.

6.0 SCHEDULE FOR NEXT GROUNDWATER MONITORING EVENT

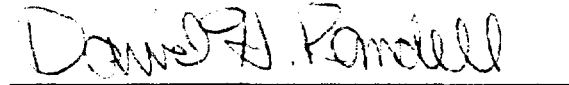
The next quarterly groundwater monitoring report is due to the CRWQCB on December 1, 1991. We anticipate sampling the wells in late October or early November 1991.

The information and opinions rendered in this report are exclusively for use by the Stoodly Company. Clayton Environmental Consultants, Inc. will not distribute this report without your consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

This report submitted by:


Andre LaMontagne
Geologist

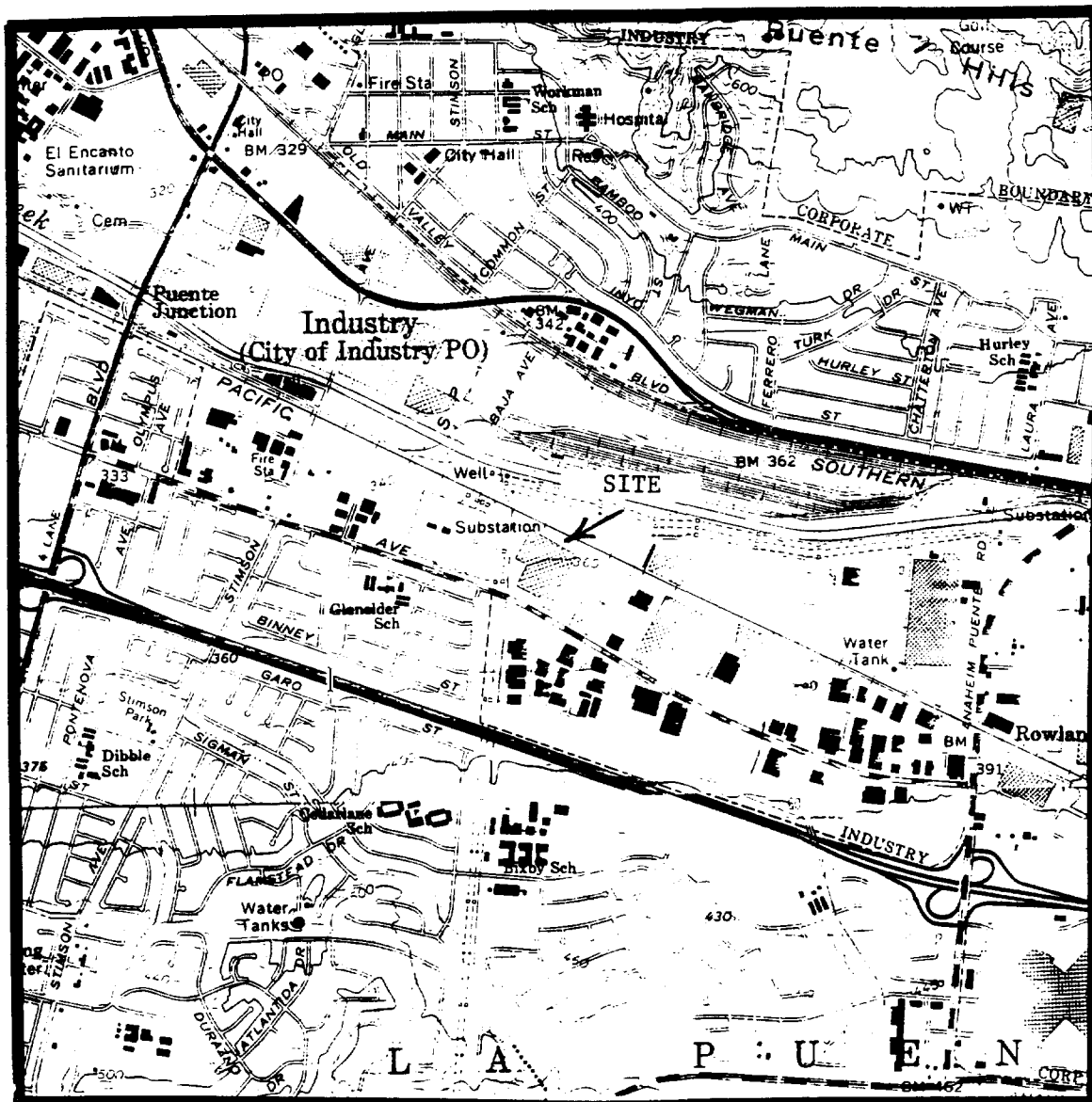
This report reviewed by:


David H. Randell
Registered Geologist, No. 3977
Manager, Environmental Engineering
Pacific Operations

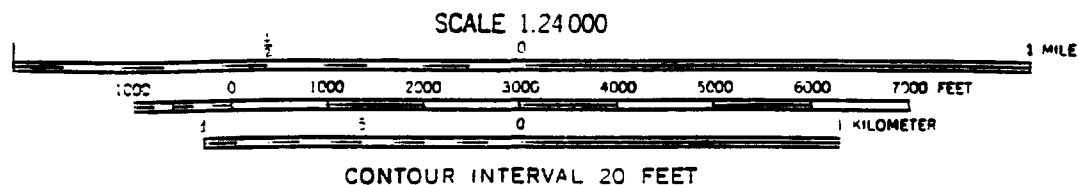
September 16, 1991

APPENDIX A

FIGURES AND TABLES



BASEMAP TAKEN FROM 1966 USGS BALDWIN PARK, CALIFORNIA
QUADRANGLE. 7.5 MINUTE SERIES (TOPOGRAPHIC), PHOTOREVISED 1981.



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

FIGURE

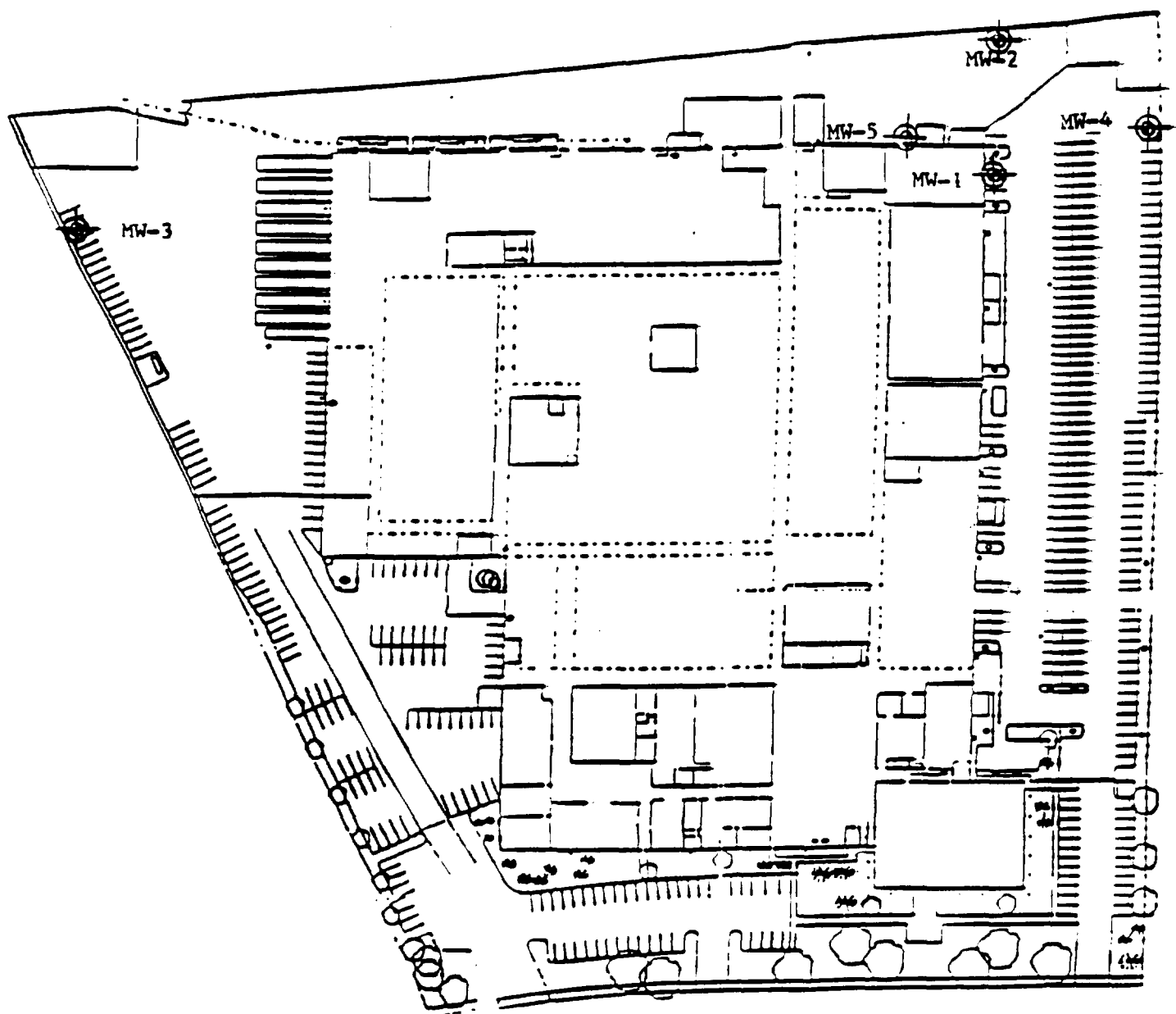
GENERAL SITE LOCATION

STOODY COMPANY
16425 E. GALE AVENUE
INDUSTRY, CALIFORNIA

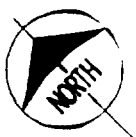
CLAYTON PROJECT NO.
36548.00

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9 /91



SCALE: 1 INCH = 150 FEET



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

FIGURE

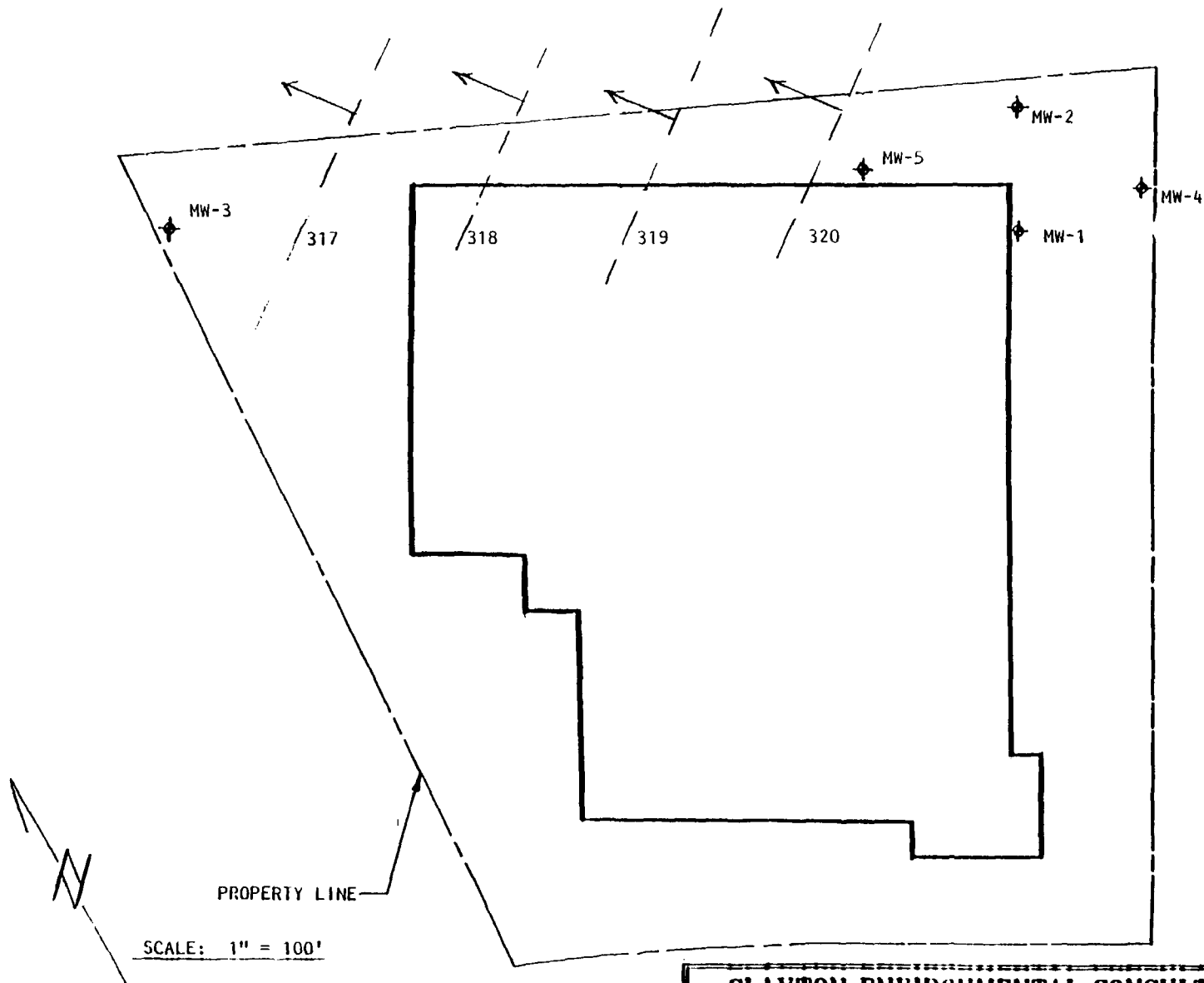
GENERAL SITE PLAN

STOODY COMPANY
16425 E. GALE AVENUE
INDUSTRY, CALIFORNIA

CLAYTON PROJECT NO.
36584.00

2

9 / 91



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

GROUNDWATER GRADIENT

THE STOODY COMPANY
16425 GALE AVENUE
CITY OF INDUSTRY, CA

CLAYTON PROJECT NO.
33043.00

FIGURE

3

9 /91

Table 1
Groundwater Monitoring Well Data
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: May 14, 1991

Elevations (feet)					
Monitoring Well	MW-1	MW-2	MW-3	MW-4	MW-5
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Total depth of well after development	45.10	45.17	45.08	48.69	50.50
Date of measurement	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91
Depth to water from top of casing	32.02	30.71	33.15	32.42	31.50
Elevation of water (MSL)	320.16	320.41	316.19	321.13	320.14

Table 2
Summary Table of Results for EPA Method 524.2 (Concentrations in µg/L)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: August 14, 1991

Monitoring Well No.	Carbon tetra-chloride	Chloro-form	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis 1,2-Dichloro-ethene	Trans 1,2-Dichloro-ethene	Methylene Chloride	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	Trichloro-fluoro-methane
MW-1	ND	ND	ND	+25	3.9	2.7	6.2	+200	ND	+52	2.5
MW-2	ND	ND	ND	+20	2.7	ND	6.7	+210	4.7	+41	ND
MW-3	+1.1	+1.3	+0.94	+56	ND	ND	ND	+77	7.5	+92	0.51
MW-4	ND	ND	ND	+23	4.4	ND	5.7	+180	ND	+54	3.6
MW-5	ND	ND	ND	+23	3.0	ND	7.1	+180	ND	+50	2.6
DECON	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DHS DWAL or MCL for Corresp. Compounds	*0.5	*100	*0.5	*6.0	6.0	NA	40	5.0	*200	*5.0	150
LOD for Corresp. Compounds	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Method Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: Not detected at or above limit of detection
µg/L: Micrograms per liter (generally equivalent to parts per billion)
NA: Information not available
DHS: State of California Department of Health Services
DWAL: Drinking water action level
*MCL: Maximum contaminant level
LOD: Limit of detection
+: Reported concentration is above DWAL and/or MCL

Table 3
Summary Table of Results for EPA Method 180.1
for Turbidity
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: August 14, 1991

Sample Identification	Turbidity (N.T.U.)*
MW-1	86
MW-2	100
MW-3	4.1
MW-4	96
MW-5	6.4

Limit of detection: 0.1 N.T.U.

*N.T.U.: Nephelometric Turbidity Units

Table 4
Summary Table of Results for EPA Method 418.1 for
Total Petroleum Hydrocarbons (Concentrations in mg/L)
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: August 14, 1991

Sample Identification Number	Total Recoverable Petroleum Hydrocarbons
MW-1	ND
MW-2	ND
MW-5	ND

Limit of detection: 1.0

mg/L: Milligrams per liter (generally equivalent to parts per million)

Table 5
Summary Table of Results for Average Pre-Sample pH Values
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: August 14, 1991

MONITORING WELL NUMBER	pH
MW-1	5.99
MW-2	6.37
MW-3	5.91
MW-4	5.98
MW-5	6.08

APPENDIX B

HISTORIC FIGURES AND TABLES

Table 5
Summary Table of Results for Average Pre-Sample pH Values
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: December 27, 1990 and February 13, 1991

MONITORING WELL NUMBER	pH
MW-1	7.81
MW-2	7.87
MW-3	7.76
MW-4	7.89
MW-5	7.91

Table 3
Summary Table of Results for EPA Method 180.1
for Turbidity
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: December 27, 1990 and February 13, 1991

Sample Identification	Turbidity (N.T.U.)*
MW-1	6.4
MW-2	4.5
MW-3	9.6
MW-4	7.1
MW-5	1.5
Limit of detection	0.1

<: Less than the indicated limit of detection (LOD)

*NTU: Nephelometric Turbidity Units

Table 4
Summary Table of Results for EPA Method 418.1 for
Total Petroleum Hydrocarbons (Concentrations in mg/L)
for Monitoring Well MW-5
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: February 13, 1991

Sample Identification Number	Total Recoverable Petroleum Hydrocarbons
MW-5A	< 1.0
MW-5B	< 1.0

Limit of detection: 1.0

mg/L: Milligrams per liter (generally equivalent to parts per million)

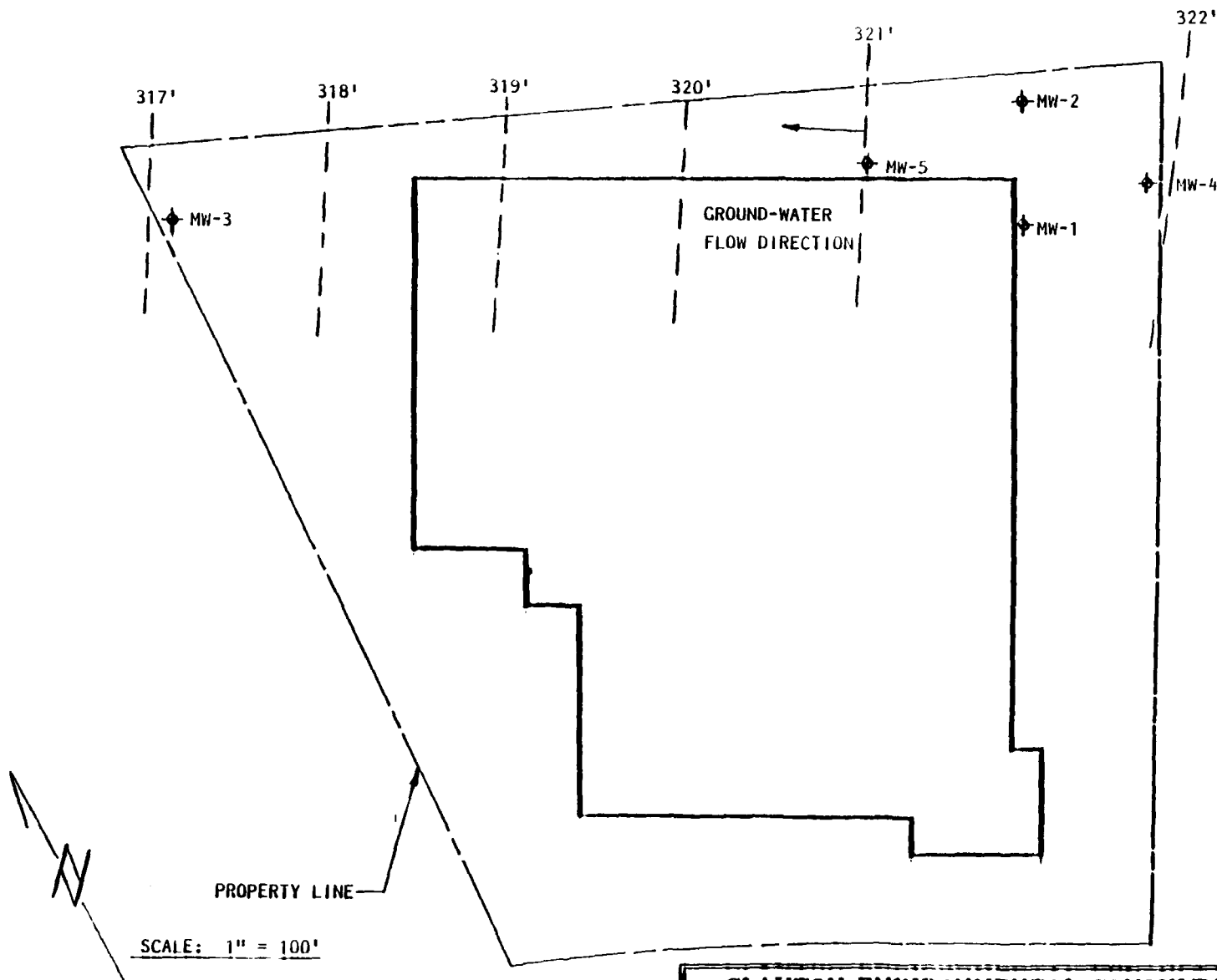
Table 2
Summary Table of Results for EPA Method 524.2 (Concentrations in µg/L)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: December 27, 1990 and February 13, 1991

Monitoring Well No.	Carbon tetra-chloride	Chloro-form	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis 1,2-Dichloro-ethene	1,2-Dichloro-ethene (total)	Methylene Chloride	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	Trichloro-flouro Methane
MW-1	1.0	0.8	ND	18	1.5	1.5	2.6	130	1.9	50	2.6
MW-2	0.8	0.7	ND	14	1.5	1.5	4.5	140	2.5	35	1.8
MW-3	0.8	0.9	0.7	25	ND	ND	3.6	55	5.1	65	ND
MW-4	0.6	0.6	ND	11	1.9	1.9	4.0	100	1.4	32	1.7
MW-5	ND	0.7	ND	16	2.1	2.1	ND	100	1.8	34	2.2
DHS DWAL or MCL for Corresp. Compounds	*0.5	*100	*0.5	*6.0	6.0	NA	40	5.0	*200	*5.0	150
LOD for Corresp. Compounds	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Trip Blank	ND	ND	ND	ND	ND	ND	0.9/1.2	ND/0.7	ND	ND	ND
Method Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: Not detected at or above limit of detection
µg/L: Micrograms per liter (generally equivalent to parts per billion)
NA: Information not available
DHS: State of California Department of Health Services
DWAL: Drinking water action level
*MCL: Maximum contaminant level
LOD: Limit of detection

Table 1
Groundwater Monitoring Well Data
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: December 27, 1990 and February 13, 1991

Elevations (feet)					
Monitoring Well	MW-1	MW-2	MW-3	MW-4	MW-5
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Total depth of well after development	44.90	44.95	44.85	48.68	49.86
Date of measurement	3/6/91	3/6/91	3/6/91	3/6/91	3/6/91
Depth to water from top of casing	31.12	30.04	32.17	31.65	30.62
Elevation of water (MSL)	321.06	321.08	317.17	321.90	321.02



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

GROUNDWATER GRADIENT AND FLOW DIRECTION

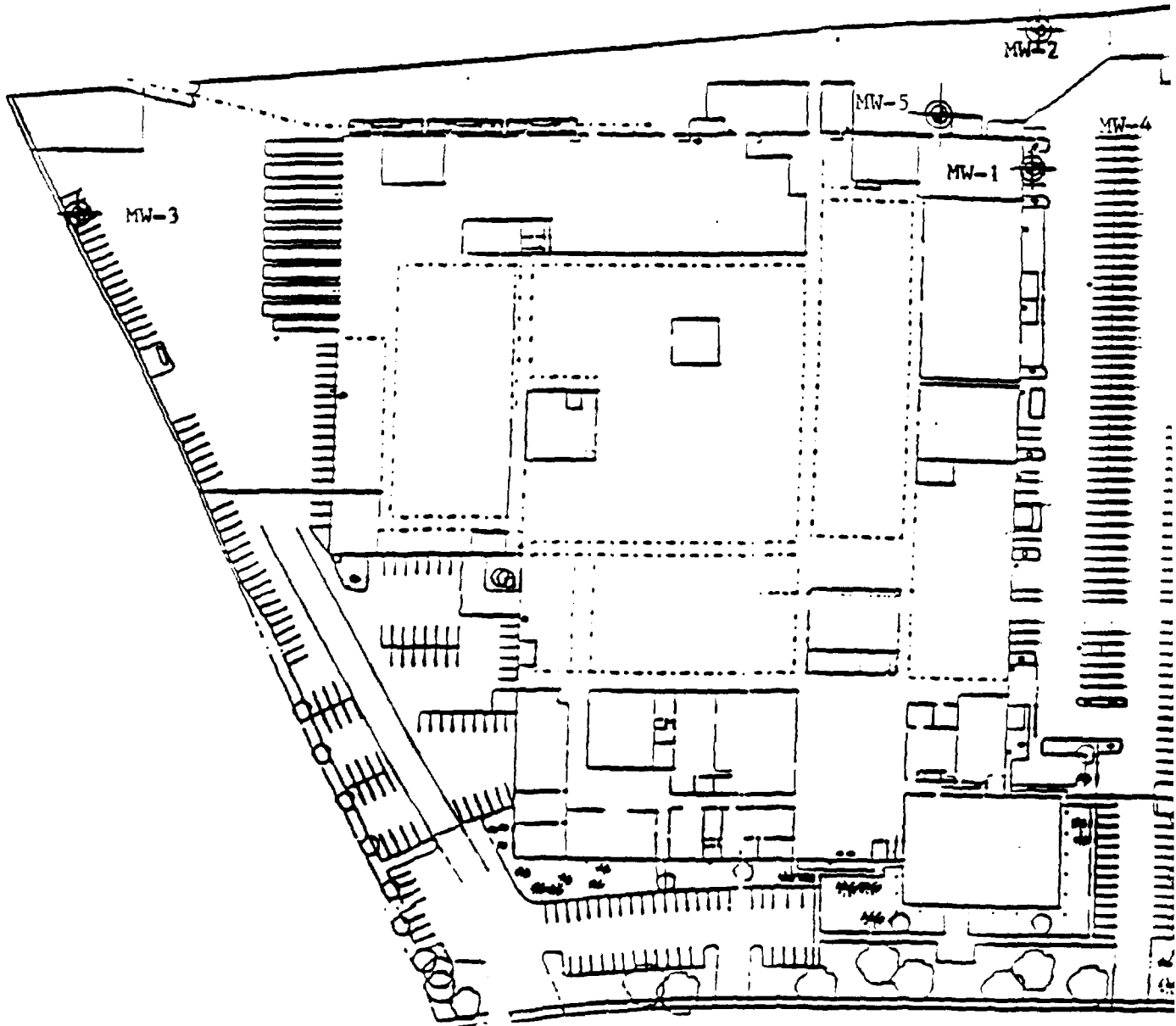
THE STOODY COMPANY
16425 GALE AVENUE
CITY OF INDUSTRY, CA

CLAYTON PROJECT NO.
33043.00

FIGURE

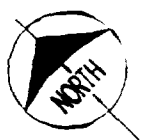
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MONITORING WELL LOCATION

SCALE: 1 INCH = 150 FEET



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

FIGURE

APPROXIMATE LOCATIONS
OF MONITORING WELLS

1

STOODY COMPANY
INDUSTRY, CALIFORNIA

PROJECT NO. 33043.00

3/91

Table 5
Summary Table of Results for Average Pre-Sample pH Values
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: December 27, 1990 and February 13, 1991

MONITORING WELL NUMBER	pH
MW-1	7.81
MW-2	7.87
MW-3	7.76
MW-4	7.89
MW-5	7.91

Table 3
Summary Table of Results for EPA Method 180.1
for Turbidity
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: May 14, 1991

Sample Identification	Turbidity (N.T.U.)*
MW-1	740
MW-2	780
MW-3	480
MW-4	94
MW-5	88
Limit of detection	0.1

<: Less than the indicated limit of detection (LOD)

*NTU: Nephelometric Turbidity Units

Table 4
Summary Table of Results for EPA Method 418.1 for
Total Petroleum Hydrocarbons (Concentrations in mg/L)
for Monitoring Well MW-5
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: May 14, 1991

Sample Identification Number	Total Recoverable Petroleum Hydrocarbons
MW-5	1.0

Limit of detection: 1.0

mg/L: Milligrams per liter (generally equivalent to parts per million)

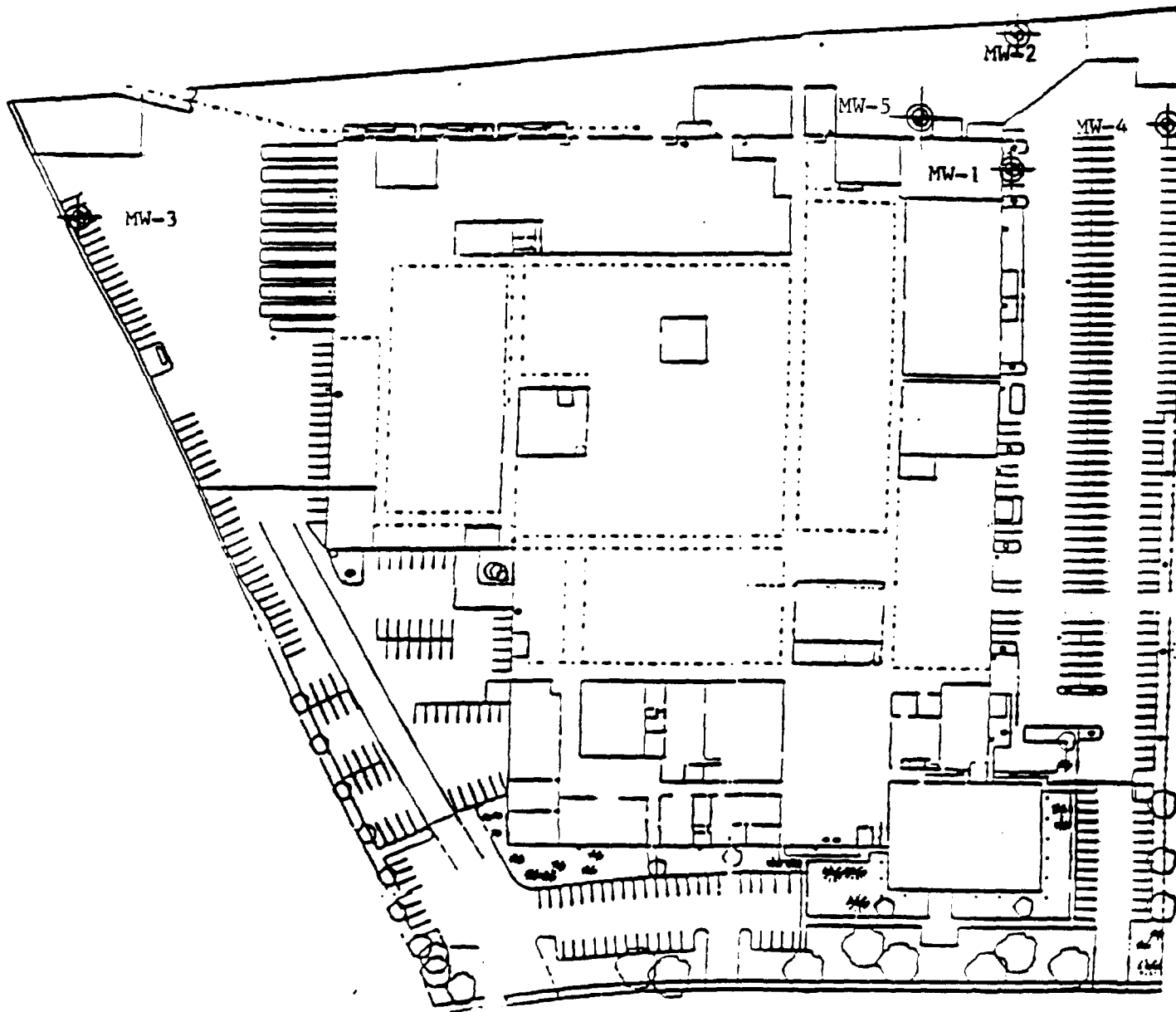
Table 2
Summary Table of Results for EPA Method 524.2 (Concentrations in $\mu\text{g/L}$)
for Volatile Organic Compounds
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: May 14, 1991

Monitoring Well No.	Carbon tetra-chloride	Chloro-form	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis 1,2-Dichloro-ethene	Trans 1,2-Dichloro-ethene	Methylene Chloride	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	Trichloro-flouro-Methane
MW-1	ND	ND	ND	14	2.7	ND	3.3	100	ND	ND	ND
MW-2	ND	ND	ND	13	ND	ND	3.0	140	ND	ND	ND
MW-3	1.0	1.0	0.8	49	ND	ND	ND	66	7.6	77	ND
MW-4	ND	0.52	ND	12	2.7	ND	ND	92	1.1	30	1.3
MW-5	ND	ND	ND	16	2.7	ND	ND	130	ND	ND	ND
DHS DWAL or MCL for Corresp. Compounds	*0.5	*100	*0.5	*6.0	6.0	6.0	40	5.0	*200	*5.0	150
LOD for Corresp. Compounds	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Method Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: Not detected at or above limit of detection
 $\mu\text{g/L}$: Micrograms per liter (generally equivalent to parts per billion)
 NA: Information not available
 DHS: State of California Department of Health Services
 DWAL: Drinking water action level
 *MCL: Maximum contaminant level
 LOD: Limit of detection

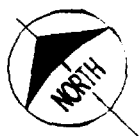
Table 1
Groundwater Monitoring Well Data
at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Dates: May 14, 1991

Elevations (feet)					
Monitoring Well	MW-1	MW-2	MW-3	MW-4	MW-5
California Coordinates Northerly	4 115 352.91	4 115 446.16	4 115 618.47	4 115 317.93	4 115 437.54
California Coordinates Easterly	4 304 877.74	4 305 930.76	4 304 433.56	4 305 006.96	4 304 813.76
Elevation at top of well casing (MSL)	352.18	351.12	349.34	353.55	351.64
Total depth of well after development	44.90	44.95	44.85	48.68	49.86
Date of measurement	5/14/91	5/14/91	5/14/91	5/4/91	5/4/91
Depth to water from top of casing	31.15	30.02	32.41	31.73	30.75
Elevation of water (MSL)	321.03	321.10	316.93	321.82	320.89



MONITORING WELL LOCATION

SCALE: 1 INCH = 150 FEET



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

FIGURE

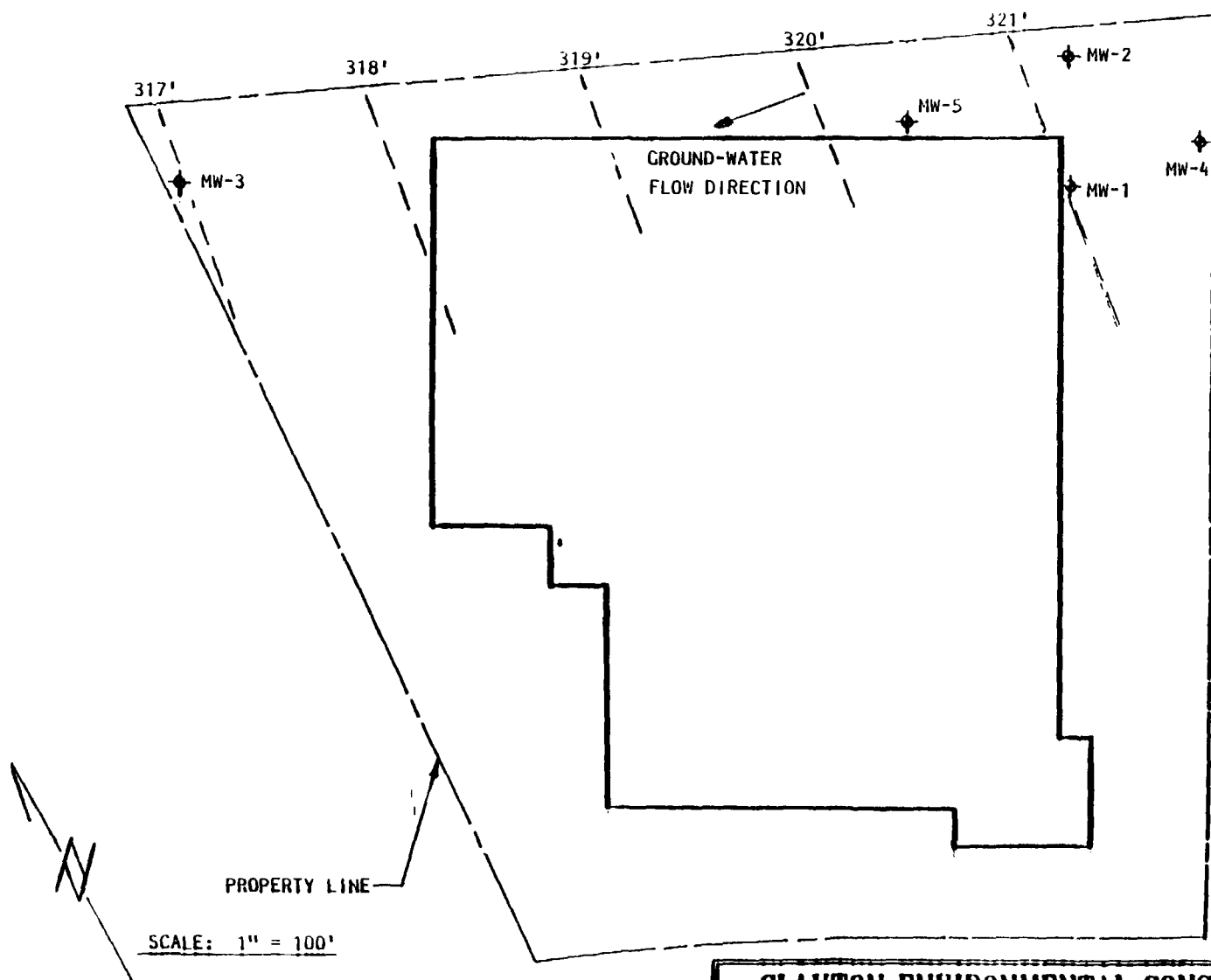
APPROXIMATE LOCATIONS
OF MONITORING WELLS

1

STOODY COMPANY
INDUSTRY, CALIFORNIA

PROJECT NO. 33043.00

3/91



CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

GROUNDWATER GRADIENT AND FLOW DIRECTION

THE STOODY COMPANY
16425 GALE AVENUE
CITY OF INDUSTRY, CA

CLAYTON PROJECT NO.
33043.00

FIGURE

2

7/91

APPENDIX C

WATER SAMPLING FIELD SURVEY FORMS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC. WATER SAMPLING FIELD SURVEY FORM

Job No: 33043.00 Site: STOODY COMPANY Date: 8/14/91
Well No: MW-1 Sampling Team: LAMONTAGNE
Sampling Method: HAND BAILER
Field Conditions: Cloudy, slight breeze, 72°F

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth of Well: 45.10 feet Time: 9:08 Depth to Water Before Purging: 32.02 feet

Volume Height of Water Column: 13.08 ft.	*	Diameter <u>2-inch</u> .16	Diameter <u>4-inch</u> .65	=	Volume 8.5 gal	*	Purge <u>Factor</u> 5	=	Volume <u>To Purge</u> 42.5 gal
---	---	----------------------------------	----------------------------------	---	-------------------	---	-----------------------------	---	---------------------------------------

Depth Purged: total water column

Notes: Free product floating on water in drum, well is a bit turbid after settlement, second only to MW-2

Time	Volume Purged	pH	Conductivity	T	Comments
9:10	0 GAL	5.94	1.18	70.7	clear
9:14	18 GAL	6.05	1.72	71.3	slightly cloudy, light brown, (silt and very fine sand)
9:18	36 GAL	6.06	1.78	71.4	same
9:22	54 GAL	6.08	1.74	71.5	same

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Well No: MW-1

Time Field Parameter Measurement Begins: 10:44

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.92	5.95	5.95	5.94
Conductivity	1.80	1.69	1.74	1.71
T°F	72.8	72.4	72.4	72.2

Pre-Sample Collection Gallons Purged: 54
 Time Sample Collection Begins: 10:49
 Time Sample Collection Ends: 10:53
 Total Gallons Purged: 55

CLAYTON ENVIRONMENTAL CONSULTANTS, INC. WATER SAMPLING FIELD SURVEY FORM

Job No: 33043.00

Site: STOODY COMPANY

Date: 8/14/91

Well No: MW-2

Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Cloudy, slight breeze, 70°F

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth
of Well:

45.17 feet

Time:

8:50

Depth to Water
Before Purging:

30.71 feet

Volume
Height of
Water

Diameter
2-inch

Diameter
4-inch

Volume

Purge
Factor

Volume
To Purge

Column: 14.46 ft. * .16 .65 = 9.40 gal * 5 = 47.00 gal

Depth Purged: total water column

Notes: Free product floating on water in drum, appears to be the most turbid well

Time	Volume Purged	pH	Conductivity	T	Comments
8:52	0 GAL	6.01	1.72	70.7	clear
8:55	18 GAL	6.17	1.74	70.8	slightly cloudy, light brown, (silt and very fine sand)
9:00	36 GAL	6.22	1.59	70.7	slightly more cloudy
9:03	54 GAL	6.05	1.79	71.1	same

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Well No: MW-2

Time Field Parameter Measurement Begins: 10:29

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.99	5.96	5.96	5.94
Conductivity	1.87	1.74	1.70	1.70
T°F	72.3	72.0	72.0	71.8

Pre-Sample Collection Gallons Purged: 54
 Time Sample Collection Begins: 10:35
 Time Sample Collection Ends: 10:38
 Total Gallons Purged: 55

CLAYTON ENVIRONMENTAL CONSULTANTS, INC. WATER SAMPLING FIELD SURVEY FORM

Job No: 33043.00

Site: STOODY COMPANY

Date: 8/14/91

Well No: MW-3

Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Cloudy, slight breeze, 72°F

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth
of Well:

45.08 feet

Time:

9:31

Depth to Water
Before Purging:

33.15 feet

Volume
Height of
Water
Column:

Diameter
2-inch

Diameter
4-inch

Volume

Purge
Factor

Volume
To Purge

11.93 ft. * .16 .65 = 7.75 gal * 5 = 38.75 gal

Depth Purged: total water column

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
9:32	0 GAL	5.92	1.91	72.2	clear
9:35	18 GAL	6.00	1.88	72.3	slightly cloudy, light brown, (silt and very fine sand)
9:40	36 GAL	5.96	1.87	72.0	same
9:44	54 GAL	6.00	1.82	72.1	same

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Well No: MW-3

Time Field Parameter Measurement Begins: 11:04

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.89	5.86	5.82	5.84
Conductivity	1.97	1.85	1.83	1.83
T°F	74.0	73.6	73.0	73.0

Pre-Sample Collection Gallons Purged: 54
 Time Sample Collection Begins: 11:11
 Time Sample Collection Ends: 11:15
 Total Gallons Purged: 55

CLAYTON ENVIRONMENTAL CONSULTANTS, INC. WATER SAMPLING FIELD SURVEY FORM

Job No: 33043.00

Site: STOODY COMPANY

Date: 8/14/91

Well No: MW-4

Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Cloudy, slight breeze, 70°F

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth
of Well:

48.69 feet

Time:

7:23

Depth to Water
Before Purging:

32.42 feet

Volume
Height of
Water

Diameter
2-inch

Diameter
4-inch

Volume

Purge
Factor

Volume
To Purge

Column: 16.27 ft. * .16 .65 = 10.58 gal * 5 = 52.90 gal

Depth Purged: total water column

Notes: Slightly turbid after settlement, but not as bad as MW-2 or MW-1

Time	Volume Purged	pH	Conductivity	T	Comments
7:30	0 GAL	5.86	1.65	71.6	clear
7:34	18 GAL	6.09	1.66	70.7	slightly cloudy, light brown, (silt and very fine sand)
7:39	36 GAL	6.20	1.62	70.1	same
7:43	54 GAL	6.09	1.66	70.2	same

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Well No: MW-4

Time Field Parameter Measurement Begins: 9:59

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.92	5.93	5.91	5.88
Conductivity	1.81	1.65	1.62	1.60
T°F	72.0	71.7	71.6	71.4

Pre-Sample Collection Gallons Purged: 54
Time Sample Collection Begins: 10:07
Time Sample Collection Ends: 10:10
Total Gallons Purged: 55

CLAYTON ENVIRONMENTAL CONSULTANTS, INC. WATER SAMPLING FIELD SURVEY FORM

Job No: 33043.00

Site: STODY COMPANY

Date: 8/14/91

Well No: MW-5

Sampling Team: LAMONTAGNE

Sampling Method: HAND BAILER

Field Conditions: Cloudy, slight breeze, 70°F

Describe Equipment Decontamination Before Sampling This Well:

WASH IN ALCONOX SOLUTION
DOUBLE RINSE IN POTABLE WATER
FINAL RINSE IN DEIONIZED WATER

Total Depth
of Well:

50.50 feet

Time:

7:50

Depth to Water
Before Purging:

31.50 feet

Volume
Height of
Water
Column:

19.00 ft.

*

Diameter
2-inch

.16

Diameter
4-inch

.65

=

Volume

12.35 gal

*

Purge
Factor

4

=

Volume
To Purge

49.4 gal

Depth Purged: total water column

Notes:

Time	Volume Purged	pH	Conductivity	T	Comments
7:52	0 GAL	6.23	1.49	69.9	clear
7:58	18 GAL	6.20	1.59	70.0	slightly cloudy, light brown, (silt and very fine sand)
8:23	36 GAL	6.32	1.68	70.1	same
8:43	54 GAL	6.30	1.63	70.9	same

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Well No: MW-5

Time Field Parameter Measurement Begins: 10:13

	Rep #1	Rep #2	Rep #3	Rep #4
pH	5.92	5.90	5.91	5.89
Conductivity	1.77	1.74	1.70	1.72
T°F	71.5	71.6	71.7	71.8

Pre-Sample Collection Gallons Purged: 54
 Time Sample Collection Begins: 10:19
 Time Sample Collection Ends: 10:23
 Total Gallons Purged: 55

APPENDIX D

**LABORATORY REPORTS
CHAIN-OF-CUSTODY FORMS
AND QUALITY ASSURANCE DATA**

Enseco - CRL

7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458 • (800) LAB-1-CRL
FAX: (714) 891-5917

August 26, 1991

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-001/006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Project: STODY

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: G-9122605-001/006 shown above.

The samples were received by CRL in a chilled state, intact and with the chain-of-custody record attached.

Note that ND means not detected at the reporting limit expressed. The reporting limit is raised to reflect the dilution factor of the sample.

Preliminary data for Turbidity and EPA 524.2 were provided on August 23, 1991 at 11:44 A.M. Preliminary data for EPA 418.1 were provided on August 23, 1991 at 1:29 P.M.


Reviewed


Approved

The Report Cover Letter is an integral part of this report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-001/005
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Date Analyzed: 23-AUG-1991
16-AUG-1991
Sample Type: LIQUID

Project: STOODY

Sample ID	TPH Recoverable mg/L EPA 418.1-L	Turbidity NTU EPA 180.1
33043 MW-1	ND(1)	86.0
33043 MW-2	ND(1)	100
33043 MW-3		4.1
33043 MW-4		96.0
33043 MW-5	ND(1)	6.4
Blank	ND(1)	ND(0.1)

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-001
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 19-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 19-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	6.2	2.5	1.4	0.5	#
Trichlorofluoromethane	2.5	2.5	ND	0.5	
1,1-Dichloroethene	25	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	3.9	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	ND	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	52	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	200	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-001
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 19-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 19-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-001
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
19-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	98	74-134
19-AUG-1991	TOLUENE-D8 (EPA 524.2)	115	78-126
19-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	113	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-002
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 19-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 19-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-2

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	6.7	2.5	1.4	0.5	#
Trichlorofluoromethane	ND	2.5	ND	0.5	
1,1-Dichloroethene	20	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	2.7	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	4.7	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	41	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	210	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-002
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 19-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 19-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-2

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-002
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
19-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	102	74-134
19-AUG-1991	TOLUENE-D8 (EPA 524.2)	109	78-126
19-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	108	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-003
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-3

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	0.5	ND	0.5	
Chloromethane	ND	0.5	ND	0.5	
Bromomethane	ND	0.5	ND	0.5	
Vinyl Chloride	ND	0.5	ND	0.5	
Chloroethane	ND	0.5	ND	0.5	
Methylene Chloride	ND	0.5	1.3	0.5	#
Trichlorofluoromethane	0.51	0.5	ND	0.5	
1,1-Dichloroethene	56	0.5	ND	0.5	
trans-1,2-Dichloroethene	ND	0.5	ND	0.5	
cis-1,2-Dichloroethene	ND	0.5	ND	0.5	
1,1-Dichloroethane	ND	0.5	ND	0.5	
2,2-Dichloropropane	ND	0.5	ND	0.5	
Bromochloromethane	ND	0.5	ND	0.5	
Chloroform	1.3	0.5	ND	0.5	
1,1-Dichloropropene	ND	0.5	ND	0.5	
1,2-Dichloroethane	0.94	0.5	ND	0.5	
Dibromomethane	ND	0.5	ND	0.5	
1,1,1-Trichloroethane	7.5	0.5	ND	0.5	
Carbon Tetrachloride	1.1	0.5	ND	0.5	
Bromodichloromethane	ND	0.5	ND	0.5	
1,2-Dichloropropane	ND	0.5	ND	0.5	
1,3-Dichloropropane	ND	0.5	ND	0.5	
Trichloroethene	92	0.5	ND	0.5	
Dibromochloromethane	ND	0.5	ND	0.5	
1,1,2-Trichloroethane	ND	0.5	ND	0.5	
Benzene	ND	0.5	ND	0.5	
Bromoform	ND	0.5	ND	0.5	
Tetrachloroethene	77	0.5	ND	0.5	
1,2-Dibromoethane	ND	0.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Chlorobenzene	ND	0.5	ND	0.5	
Ethylbenzene	ND	0.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-003
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-3

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	0.5	ND	0.5
o-Xylene	ND	0.5	ND	0.5
Styrene	ND	0.5	ND	0.5
Isopropylbenzene	ND	0.5	ND	0.5
Bromobenzene	ND	0.5	ND	0.5
1,2,3-Trichloropropane	ND	0.5	ND	0.5
2-Chlorotoluene	ND	0.5	ND	0.5
n-Propylbenzene	ND	0.5	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5	ND	0.5
4-Chlorotoluene	ND	0.5	ND	0.5
tert-Butylbenzene	ND	0.5	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	ND	0.5
sec-Butylbenzene	ND	0.5	ND	0.5
p-Isopropyltoluene	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
n-Butylbenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	0.5	ND	0.5
Hexachlorobutadiene	ND	0.5	ND	0.5
Naphthalene	ND	0.5	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-003
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
20-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	103	74-134
20-AUG-1991	TOLUENE-D8 (EPA 524.2)	95	78-126
20-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	99	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-004
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STODY
Sample ID: 33043 MW-4

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	5.7	2.5	1.3	0.5	#
Trichlorofluoromethane	3.6	2.5	ND	0.5	
1,1-Dichloroethene	23	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	4.4	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	ND	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	54	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	180	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-004
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STODY
Sample ID: 33043 MW-4

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-004
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
20-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	103	74-134
20-AUG-1991	TOLUENE-D8 (EPA 524.2)	95	78-126
20-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	100	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-005
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-5

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	2.5	ND	0.5	
Chloromethane	ND	2.5	ND	0.5	
Bromomethane	ND	2.5	ND	0.5	
Vinyl Chloride	ND	2.5	ND	0.5	
Chloroethane	ND	2.5	ND	0.5	
Methylene Chloride	7.1	2.5	1.3	0.5	#
Trichlorofluoromethane	2.6	2.5	ND	0.5	
1,1-Dichloroethene	23	2.5	ND	0.5	
trans-1,2-Dichloroethene	ND	2.5	ND	0.5	
cis-1,2-Dichloroethene	3.0	2.5	ND	0.5	
1,1-Dichloroethane	ND	2.5	ND	0.5	
2,2-Dichloropropane	ND	2.5	ND	0.5	
Bromochloromethane	ND	2.5	ND	0.5	
Chloroform	ND	2.5	ND	0.5	
1,1-Dichloropropene	ND	2.5	ND	0.5	
1,2-Dichloroethane	ND	2.5	ND	0.5	
Dibromomethane	ND	2.5	ND	0.5	
1,1,1-Trichloroethane	ND	2.5	ND	0.5	
Carbon Tetrachloride	ND	2.5	ND	0.5	
Bromodichloromethane	ND	2.5	ND	0.5	
1,2-Dichloropropane	ND	2.5	ND	0.5	
1,3-Dichloropropane	ND	2.5	ND	0.5	
Trichloroethene	50	2.5	ND	0.5	
Dibromochloromethane	ND	2.5	ND	0.5	
1,1,2-Trichloroethane	ND	2.5	ND	0.5	
Benzene	ND	2.5	ND	0.5	
Bromoform	ND	2.5	ND	0.5	
Tetrachloroethene	180	2.5	ND	0.5	
1,2-Dibromoethane	ND	2.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.5	
Toluene	ND	2.5	ND	0.5	
Chlorobenzene	ND	2.5	ND	0.5	
Ethylbenzene	ND	2.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-005
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 20-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 20-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 MW-5

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	2.5	ND	0.5
o-Xylene	ND	2.5	ND	0.5
Styrene	ND	2.5	ND	0.5
Isopropylbenzene	ND	2.5	ND	0.5
Bromobenzene	ND	2.5	ND	0.5
1,2,3-Trichloropropane	ND	2.5	ND	0.5
2-Chlorotoluene	ND	2.5	ND	0.5
n-Propylbenzene	ND	2.5	ND	0.5
1,3,5-Trimethylbenzene	ND	2.5	ND	0.5
4-Chlorotoluene	ND	2.5	ND	0.5
tert-Butylbenzene	ND	2.5	ND	0.5
1,2,4-Trimethylbenzene	ND	2.5	ND	0.5
sec-Butylbenzene	ND	2.5	ND	0.5
p-Isopropyltoluene	ND	2.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5
n-Butylbenzene	ND	2.5	ND	0.5
1,2-Dichlorobenzene	ND	2.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	2.5	ND	0.5
Hexachlorobutadiene	ND	2.5	ND	0.5
Naphthalene	ND	2.5	ND	0.5
1,2,3-Trichlorobenzene	ND	2.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-005
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
20-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	103	74-134
20-AUG-1991	TOLUENE-D8 (EPA 524.2)	93	78-126
20-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	99	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 18-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 18-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 DECON

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL	FN
Dichlorodifluoromethane	ND	0.5	ND	0.5	
Chloromethane	ND	0.5	ND	0.5	
Bromomethane	ND	0.5	ND	0.5	
Vinyl Chloride	ND	0.5	ND	0.5	
Chloroethane	ND	0.5	ND	0.5	
Methylene Chloride	ND	0.5	1.3	0.5	#
Trichlorofluoromethane	ND	0.5	ND	0.5	
1,1-Dichloroethene	ND	0.5	ND	0.5	
trans-1,2-Dichloroethene	ND	0.5	ND	0.5	
cis-1,2-Dichloroethene	ND	0.5	ND	0.5	
1,1-Dichloroethane	ND	0.5	ND	0.5	
2,2-Dichloropropane	ND	0.5	ND	0.5	
Bromochloromethane	ND	0.5	ND	0.5	
Chloroform	ND	0.5	ND	0.5	
1,1-Dichloropropene	ND	0.5	ND	0.5	
1,2-Dichloroethane	ND	0.5	ND	0.5	
Dibromomethane	ND	0.5	ND	0.5	
1,1,1-Trichloroethane	ND	0.5	ND	0.5	
Carbon Tetrachloride	ND	0.5	ND	0.5	
Bromodichloromethane	0.75	0.5	ND	0.5	
1,2-Dichloropropane	ND	0.5	ND	0.5	
1,3-Dichloropropane	ND	0.5	ND	0.5	
Trichloroethene	ND	0.5	ND	0.5	
Dibromochloromethane	0.64	0.5	ND	0.5	
1,1,2-Trichloroethane	ND	0.5	ND	0.5	
Benzene	ND	0.5	ND	0.5	
Bromoform	ND	0.5	ND	0.5	
Tetrachloroethene	ND	0.5	ND	0.5	
1,2-Dibromoethane	ND	0.5	ND	0.5	
1,1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Chlorobenzene	ND	0.5	ND	0.5	
Ethylbenzene	ND	0.5	ND	0.5	

Analyte associated with sample processing and analysis in the lab environment.
An acceptable method blank must contain less than five times the reporting
limit of this analyte for this method.

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9122605-006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID
Date Prepared: 18-AUG-1991
Prep Method: EPA 5030 By: SW
Date Analyzed: 18-AUG-1991 By: SW

Project: STOODY
Sample ID: 33043 DECON

Volatile Organic Compounds, EPA 524.2

Units: ug/L

Parameter	Sample Result	Sample RL	Blank Result	Blank RL
p,m-Xylene	ND	0.5	ND	0.5
o-Xylene	ND	0.5	ND	0.5
Styrene	ND	0.5	ND	0.5
Isopropylbenzene	ND	0.5	ND	0.5
Bromobenzene	ND	0.5	ND	0.5
1,2,3-Trichloropropane	ND	0.5	ND	0.5
2-Chlorotoluene	ND	0.5	ND	0.5
n-Propylbenzene	ND	0.5	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5	ND	0.5
4-Chlorotoluene	ND	0.5	ND	0.5
tert-Butylbenzene	ND	0.5	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5	ND	0.5
sec-Butylbenzene	ND	0.5	ND	0.5
p-Isopropyltoluene	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
n-Butylbenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5
1,2-Dibromo-3-chloropropane	ND	0.5	ND	0.5
Hexachlorobutadiene	ND	0.5	ND	0.5
Naphthalene	ND	0.5	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5	ND	0.5

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Volatile Organic Compounds, EPA 524.2
Surrogate Summary

Date	Parameter (Method)	Percent Recovery	Acceptable Range
18-AUG-1991	1,2 DICHLORETHANE-D4 (EPA 524.2)	77	74-134
18-AUG-1991	TOLUENE-D8 (EPA 524.2)	101	78-126
18-AUG-1991	BROMOFLUOROBENZENE (EPA 524.2)	94	82-121

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-001/006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Matrix Spike/Matrix Spike Duplicate Report

Sample Number	Parameter (Method)	Units	Observed Concentration			Amt. Spiked	% Recovery			% RPD
			Sample	MS	MSD		MS	MSD	Avg.	
9121211-002	1,1-DICHLOROETHENE (EPA 524.2)	ug/L	ND	7.9	7.4	7.0	113	106	110	7
9122612-002	1,1-DICHLOROETHENE (EPA 524.2)	ug/L	ND	7.3	7.8	7.0	104	111	108	7
9121211-002	TRICHLOROETHENE (EPA 524.2)	ug/L	ND	5.1	4.8	5.0	102	96	99	6
9122612-002	TRICHLOROETHENE (EPA 524.2)	ug/L	ND	5.4	5.7	5.0	108	114	111	5
9121211-002	BENZENE (EPA 524.2)	ug/L	ND	5.1	4.9	5.0	102	98	100	4
9122612-002	BENZENE (EPA 524.2)	ug/L	ND	5.6	5.7	5.0	112	114	113	2
9121211-002	TOLUENE (EPA 524.2)	ug/L	ND	9.8	9.4	10.0	98	94	96	4
9122612-002	TOLUENE (EPA 524.2)	ug/L	ND	10.5	10.9	10.0	105	109	107	4
9121211-002	CHLOROBENZENE (EPA 524.2)	ug/L	ND	10.5	10.1	10.0	105	101	103	4
9122612-002	CHLOROBENZENE (EPA 524.2)	ug/L	ND	10.8	11.0	10.0	108	110	109	2

Matrix Spike/Matrix Spike Duplicate Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
9121211-002	14-AUG-1991	1,1-DICHLOROETHENE (EPA 524.2)	G-9122605-001
			G-9122605-002
			G-9122605-006
	14-AUG-1991	TRICHLOROETHENE (EPA 524.2)	G-9122605-001
			G-9122605-002
			G-9122605-006
	14-AUG-1991	BENZENE (EPA 524.2)	G-9122605-001
			G-9122605-002
			G-9122605-006
	14-AUG-1991	TOLUENE (EPA 524.2)	G-9122605-001
			G-9122605-002
			G-9122605-006
	14-AUG-1991	CHLOROBENZENE (EPA 524.2)	G-9122605-001
			G-9122605-002
			G-9122605-006
9122612-002	20-AUG-1991	1,1-DICHLOROETHENE (EPA 524.2)	G-9122605-003
			G-9122605-004
			G-9122605-005
	20-AUG-1991	TRICHLOROETHENE (EPA 524.2)	G-9122605-003
			G-9122605-004
			G-9122605-005
	20-AUG-1991	BENZENE (EPA 524.2)	G-9122605-003
			G-9122605-004
			G-9122605-005
	20-AUG-1991	TOLUENE (EPA 524.2)	G-9122605-003
			G-9122605-004
			G-9122605-005
	20-AUG-1991	CHLOROBENZENE (EPA 524.2)	G-9122605-003
			G-9122605-004
			G-9122605-005

Laboratory Report

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE
Project: STOODY

Analysis No.: G-9122605-001/006
Date Sampled: 14-AUG-1991
Date Sample Rec'd: 14-AUG-1991
Sample Type: LIQUID

Laboratory Control Sample Report

QC Batch	Parameter (Method)	Amt. Spiked	Units	Avg. Spike Recov.	Acceptable Range	Rel. Pct. Diff.	Acceptable Range
L91228015	TURBIDITY (EPA 180.1)	5.00	NTU	88	80-120	0	20
L91235011	TPH RECOVERABLE (EPA 418.1-L)	8	mg/L	105	55-133	0	13
L91226023	1,1-DICHLOROETHENE (EPA 524.2)	7.0	ug/L	99	64-116	7	13
L91226023	TRICHLOROETHENE (EPA 524.2)	5.0	ug/L	95	80-117	6	15
L91226023	BENZENE (EPA 524.2)	5.0	ug/L	95	81-119	6	14
L91226023	TOLUENE (EPA 524.2)	10.0	ug/L	92	77-120	9	12
L91226023	CHLOROBENZENE (EPA 524.2)	10.0	ug/L	99	81-121	6	14

Laboratory Control Sample Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
L91226023	14-AUG-1991	1,1-DICHLOROETHENE (EPA 524.2)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005 G-9122605-006
		TRICHLOROETHENE (EPA 524.2)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005 G-9122605-006
		BENZENE (EPA 524.2)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005 G-9122605-006
		TOLUENE (EPA 524.2)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005 G-9122605-006
		CHLOROBENZENE (EPA 524.2)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005 G-9122605-006
L91228015	16-AUG-1991	TURBIDITY (EPA 180.1)	G-9122605-001 G-9122605-002 G-9122605-003 G-9122605-004 G-9122605-005
L91235011	23-AUG-1991	TPH RECOVERABLE (EPA 418.1-L)	G-9122605-001 G-9122605-002 G-9122605-005



☐ 7440 Lincoln Way, Garden Grove, CA 92641, (714) 898-6370
☐ 2810 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
☐ 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
☐ 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
☐ Mobile Labs, (800) ENSECO-8

CHAIN OF CUSTODY RECORD

Date 8/14/91 Page 1 of 1Lab Number 3

CLIENT <u>CLAYTON ENV. CONS.</u> ADDRESS _____ <u>STEEDY</u> PROJECT NAME _____ CONTRACT / PURCHASE ORDER / QUOTE # _____				PROJECT MANAGER <u>ANDRÉ LAMONTAGNE</u>				ANALYSES <div style="display: flex; justify-content: space-around; align-items: center;"><div style="transform: rotate(-45deg); white-space: nowrap;">524.2</div><div style="transform: rotate(-45deg); white-space: nowrap;">418.1</div><div style="transform: rotate(-45deg); white-space: nowrap;">180.1</div></div>											
				PHONE NUMBER <u>229 4806 (714)</u>															
				SITE CONTACT _____															
Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE			No. of Containers											Sample Condition/REMARKS	
				LIQ.	AIR	SOLID													
33043 MW-1	8/14	A.M.		X			5	X	X	X									
33043 MW-2				X			5	X	X	X									
33043 MW-3				X			4	X		X									
33043 MW-4				X			4	X		X									
33043 MW-5				X			5	X	X	X									
33043 DECON				X			2	X											
SAMPLERS: (Signature) <u>[Signature]</u>				Received by: (Signature) _____				Date	Time	The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.									
Relinquished by: (Signature) <u>[Signature]</u>				Received by: (Signature) _____				Date	Time										
Relinquished by: (Signature) _____				Date	Time	Received for Laboratory by: <u>[Signature]</u>		Date	RECEIVED										
Method of Shipment: _____								8/14/91		14 15									
Special Instructions: <u>FAK RESULTS 714 229 4805</u> <u>PLEASE RUN 524.2 WITHIN 7 DAYS OF 8/14</u>				SAMPLE DISPOSITION: 1. Storage time requested: _____ days (Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.) 2. Sample to be returned to client: Y N (Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)															